

## CLAIM AMENDMENTS

1-Claim:

1. (currently amended) A method of making an artificial tooth for placement in a denture comprising the steps of:
  - a) making a mold form of the desired ~~configuration~~ tooth;
  - b) inserting in the mold form a thin layer polycarbonate dimethacrylate incisal material and forcing said material into the contour of the mold;
  - c) subjecting said thin layer to a curing step including a first time segment of vacuum followed by a second time segment of vacuum and light curing including heat;
  - d) adding additional thin layers of incisal material and subjecting each layer to the curing process of step c) until the mold is full;
  - e) removing the tooth from the mold form and subjecting the tooth to the curing step described in step c) to complete the tooth.
2. (previously presented) A method as claimed in claim 1 wherein following step e) said tooth is inspected for voids and any such voids are filled with polycarbonate dimethacrylate material.
3. (previously presented) A method as claimed in claim 1 wherein following step e) retention holes are formed in the lower part of said tooth.
4. (original) A method as claimed in claim 2 wherein following filling any voids in said tooth, said tooth is lightly blasted with abrasive and rinsed in distilled water in ultrasonic cleaner

5. (original) A method as claimed in claim 4 wherein following said rinsing step said tooth is glazed and further cured in a substantially oxygen-free atmosphere and light for approximately nine minutes.

6. (currently amended) A method of manufacturing an artificial tooth for placement in a denture comprising the steps of:

- a) making a form tooth;
- b) placing the form tooth in a mold form of impression material;
- c) removing the form tooth from the mold form after the form tooth ~~moled~~ has been in the mold form for at leastf substantially ten minutes;
- d) inserting in the mold form a thin layer of polycarbonate dimethacrylate incisal material and forming said material into the contour of the mold;
- e) subject said thin layer to a five minute vacuum of approximately 27 in. of Hg followed by a three-minute segment of approximately 29 in. of Hg vacuum and light curing including heat;
- f) add additional layers of 2 mm or more thickness and subject each layer to the curing process of step 5) until the mold is full; and
- g) removing the tooth from the mold form and subjecting the tooth to the curing step described in step e.

7. (previously presented) A method as claimed in claim 6 wherein following step

g) said tooth is inspected for voids and any such voids are filled with polycarbonate dimethacrylate material.

8. (previously presented) A method as claimed in claim 6 wherein following step g said tooth is inspected for voids and any such voids are filled with polycarbonate dimethacrylate material.

9. (currently amended) A method of manufacturing an artificial tooth for placement in a denture comprising the steps of:

- a) making a mold of the desired tooth;
- b) making a mold form of impression material; ~~such as Panasil~~  
~~Contact Plus™ or equal~~
- c) placing a small layer of impression material on the surface of the tooth mold;
- d) pushing the mold into the mold form up to the base and ~~laving~~ leaving the bottom and glue area exposed;
- e) removing the tooth mold from the mold form after the tooth mold has been in the mold form for at least substantially ten minutes;
- f) inserting in the mold form a thin layer of indirect composite incisal material and forcing said material into the contour of the mold;
- g) subjecting said thin layer to a five minute vacuum of approximately 27 in. of Hg followed by a three-minute segment of approximately 29 in. of Hg vacuum and light cure;

h) adding additional layers of indirect incisal composite material and subjecting each layer to the curing process of step g until the mold is full;

i) removing the tooth from the mold form and subjecting the tooth to the curing step described in step g.

10. (previously presented) A method as claimed in claim 9 wherein following step i) retention holes are formed in the lower part of said tooth.

11. (previously presented) A method as claimed in claim 9 wherein following step i) said tooth is inspected for voids and any such voids are filled with indirect composite material.

12. (previously presented) A method as claimed in claim 11 wherein retention holes are formed in the lower part of said tooth.

13. (previously presented) A method as claimed in claim 12 wherein said tooth is blasted with a fine abrasive and rinsed.

14. (currently amended) A method for manufacturing an artificial tooth for placement in a denture comprising the steps of:

- a) making a mold of the desired tooth;
- b) making a ~~fold~~ mold form of impression material, ~~;- such as Panasil-Contact Plus™ a equal;~~
- c) gluing a handle to the mold;
- d) placing a small layer of impression material on the surface of the tooth mold;
- e) holding the handle, pushing the mold into the mold form up to the base and ~~leaving~~ leaving the bottom and glue area exposed;
- f) removing the tooth mold from the mold form after the tooth mold has been in the mold form for at least substantially ten minutes;
- g) inserting in the mold form a thin layer of an indirect composite incisal material and forcing said material into the contour of the mold;
- h) curing said thin layer under light;
- i) repeating steps g and h as required until the mold form is filled, adding color as required to each layer to complete the tooth;
- j) removing the tooth from the tooth mold and placing the tooth in a light-curing oven for nine minutes;
- k) inspecting the tooth for voids or other imperfections and fill any voids with incisal material;
- l) lightly smooth or buff tooth;
- m) creating retention holes in bottom of tooth;

n) lightly blast tooth with white aluminum oxide and rinse in distilled water in ultrasonic cleaner approximately two minutes or steam clean;

o) dry tooth and stain if needed;

p) seating tooth in curing unit, base side down, and glaze;

q) cure in nitrogen atmosphere and light for nine minutes;

r) cure in heat-curing oven twenty minutes;

s) remove from oven and allow to cool; and

t) inspect and buff with chamois wheel, if needed.

15. (currently amended) An artificial tooth for placement in a denture and formed in a mold comprising:

a plurality of layers of indirect composite incisal material, each layer of which is subjected in said mold to a curing process including exposure to vacuum and light-curing steps in an oxygen-free atmosphere; and

a further curing step after removal of the tooth from the mold including exposure to a vacuum and light-curing step in an oxygen-free atmosphere; and

forming retention holes for anchoring said tooth to a denture.

16. (cancelled)

17. (original) An artificial tooth as claimed in claim 15 wherein following said vacuum and light-curing step said tooth is blasted with a fine abrasive and rinsed.

18. (original) An artificial tooth as claimed in claim 15 wherein said tooth has a glazed and/or polished surface.